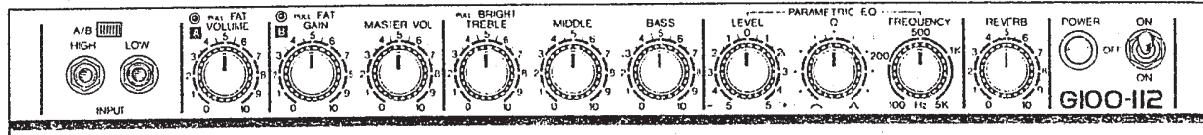


G50-112II, G100-112 G100-115II, G100-210 G100-212II

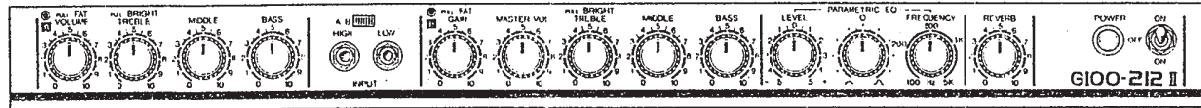
SERVICE MANUAL

FRONT PANEL

G100-112 (G50-112II)



G100-212II (G100-115II, G100-210)



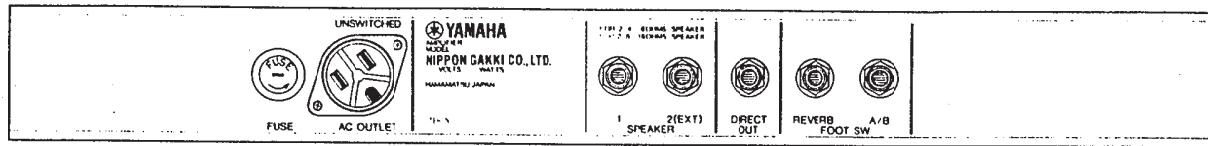
Panel size will vary depending on type of unit. For further details, please refer to specifications.

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SINCE 1887  YAMAHA
NIPPON GAKKI CO., LTD. HAMAMATSU, JAPAN

'79.10.2.5K Printed in Japan 

REAR PANEL



The illustration shows the U.S. and CANADIAN models. Other models are equipped with voltage selectors instead of AC outlets. So be sure to check for desired voltage.

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GENERAL SPECIFICATIONS

GENERAL SPECIFICATIONS

Model	G100-212 II	G100-210	G100-115 II	G100-112	G50-112 II
Output Power	100 Watts RMS @ 10% THD into 4 ohms		100 Watts RMS @ 10% THD into 8 ohms		50 Watts RMS @ 10% THD into 8 ohms
Speaker(s)	2 x JA3066 (30 cm)	2 x JA2515 (25 cm)	1 x JA3802 (38 cm)	1 x JA3062 (30 cm)	1 x JA3066 (30 cm)
Gain (To Speaker Output @ 1kHz, loaded 4 or 8 ohms)			A CHANNEL High : 70 dB Low : 58 dB B CHANNEL High : 84 dB Low : 72 dB		
Input Impedance			High : 1 Megohm Low : 60 kohms		
Noise (All Volume Controls at min.)			-45 dB (4.4 mV)		
Reverb			Accutronics, spring-type		
Direct Output (For 600 ohms unbalanced line)	Nominal : -20 dB (77.5 mV) Maximum : -10 dB (0.25 V)		Nominal : -20 dB (77.5 mV) Maximum: -7 dB (0.35 V)		
Power	U.S. Model		180 W		120 W
	Canadian Model		120V 2A		120V 1.2A
Consumption	Other Models		250 W		160 W
Power Source			120V AC fixed, or 110, 130, 220 or 240V AC selectable, 50/60 Hz		
Dimensions	Width	687 mm	634 mm	530 mm	
	Height	560 mm*	410 mm	600 mm*	450 mm
	Depth	280 mm	270 mm	280 mm	270 mm
Net Weight	28 kg	23 kg	31 kg	21 kg	18 kg
Standard Accessory			Foot Switch (FS-2)		

In above specifications, when dB represents a specific voltage, 0 dB is referenced to 0.775V RMS.

* Height includes detachable castors.

LOUDSPEAKER SPECIFICATIONS

Speaker	System	Cone Diameter	Nominal Impedance (Ω)	Sensitivity (dB/W.m)	Max. RMS Power (W)	Max. Peak Power (W)
JA2515	G100-210	10" (25 cm)	8	96	60	180
JA3066	G100-212II G50-112 II	12"(30 cm)	8	96	60	180
JA3062	G100-112	12" (30 cm)	8	99	100	300
JA3802	G100-115II	15" (38 cm)	8	102	120	360

Specifications subject to change without notice.

ADJUSTMENTS AND PERFORMANCE CHECKS

Measuring Instruments

- The impedance of the oscillator shall be no more than $1\text{k}\Omega$.
- The impedance of such instruments, as the oscilloscope and AC Voltmeter/dB meter shall be $100\text{K}\Omega$ or more.

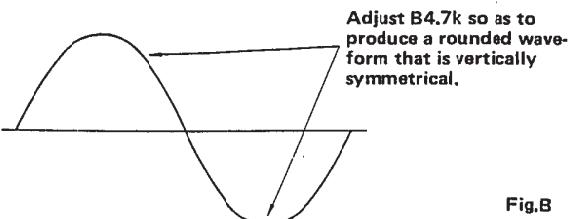
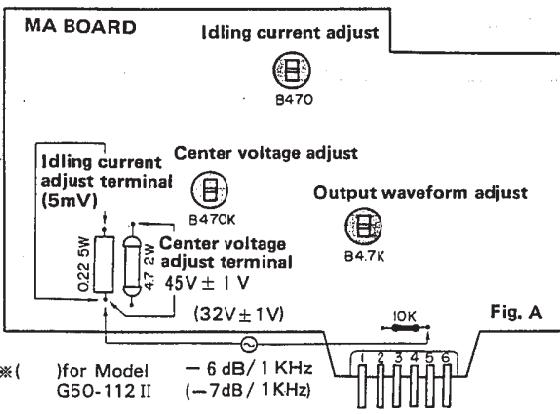
MA BOARD Adjustment

- Adjust the B470k and B4.7k pots to somewhere around the middle.
- With the unit in the condition of Table 1, apply a $-6\text{dB}/1\text{kHz}$ signal (or a $-7\text{dB}/1\text{kHz}$ signal for Model G50-112II) between the 6P connector pin ③ and ① (Fig. A), and adjust the B4.7k pot so as to produce a rounded waveform that is vertically symmetrical. (Load resistance : 8 ohms)
- With the unit in the condition of Table 1, adjust the B470k pot so that the center voltage (measured at the 6P connector pin ⑤) of the output circuit will be $45\pm 1\text{V}$ (or $32\pm 1\text{V}$ for Model G50-112II).

NOTE: By performing adjustments 2 and 3 alternately, adjust the MA circuit board to the optimum condition. Adjustments are to be performed as swiftly as possible.

Idling Current Adjustment

With the unit in a no-signal condition, adjust the B470 pot so as to bring the voltage between the 6P connector pin ④ and ① (0.22Ω at both ends) to 5mV.



After completing the above adjustments (performed on a circuit board basis), proceed to performance checks.

- Prior to Performing Adjustments
- Set each control as shown in Table 1.
- Apply the signal to HIGH INPUT.
- Connect the load specified in Table 2 to SP OUT.

Table 1

Identification of Controls	Position of Controls
VOLUME	MAXIMUM
GAIN	MAXIMUM
MASTER VOLUME	MAXIMUM
TREBLE	MAXIMUM
MIDDLE	MAXIMUM
BASS	MAXIMUM
LEVEL	CENTER
Q	MINIMUM
FREQUENCY	MINIMUM
REVERB	MINIMUM
FAT SWITCH	OFF
BRIGHT SWITCH	OFF
A/B SWITCH	A ch (■)

Table 2

Model No.	Load Resistance
G50-112II	8Ω
G100-112	8Ω
G100-115II	8Ω
G100-210	4Ω
G100-212II	4Ω

1. GAIN

- With the unit in the condition specified in Tables 1 & 2, feed in the input signal. Outputs as shown in Tables 3 & 4 should be obtained.

Table 3 (G100-112, 115II, 210, 212II)

INPUT	ch. SW	JACK	OUTPUT
-70dB/1 KHz	A	HIGH	$1 \pm 3\text{dBm}$
-do-	A	LOW	$-11 \pm 3\text{dBm}$
-do-	B	HIGH	$14 \pm 3\text{dBm}$

Table 4 (G50-112II)

INPUT	ch. SW	JACK	OUTPUT
-70dB/1 KHz	A	HIGH	$1 \pm 3\text{dBm}$
-do-	A	LOW	$-11 \pm 3\text{dBm}$
-do-	B	HIGH	$13 \pm 3\text{dBm}$

2. MAXIMUM OUTPUT

- Put the unit in the condition specified in Tables 1 & 2. When the output is 100W (or 50W for Model G50-112II), and the T.H.D. is at 10%, the condition as shown in Table 5 should be satisfied.

Table 5

OUT PUT INPUT	Load (4 ohms)		Load (8 ohms)	
	At 100W output (28.2dBm)	T.H.D. (@ 10%)	At 100W output (31.2dBm)	T.H.D. (@ 10%)
1 KHz	T.H.D.: Less than 10%	140W, or less (29.7dB)	T.H.D.: Less than 10%	140W, or less (32.7dB)

Table 5 (G50-112II)

OUT PUT INPUT	Load (4 ohms)		Load (8 ohms)	
	At 50W output (25.2dBm)	T.H.D. (@ 10%)	At 50W output (28.2dBm)	T.H.D. (@ 10%)
1 KHz	T.H.D.: Less than 10%	70W, or less (26.7dB)	T.H.D.: Less than 10%	70W, or less (29.7dB)

3. FREQUENCY RESPONSE

- Regarding the frequency response of the unit in the condition specified in Tables 1&2, please refer to Fig.1 when the output level for a 1kHz input is set as the reference level(0dB). The tolerance shall be within ± 3 dB, respectively.

Table 6

() for Model G50-112II

Signal Input Level	Channel	Frequency (Hz)		
		70	400	7 K
-70dB	A ch.	-1±3dB	-8±3dB	6±3dB (5±3dB)
-70dB	B ch.	-1±3 dB	-8±3dB	5±3dB

- For models, G50-112II and G100-112, measurements are to be taken only for the A-ch.

4. TONE CONTROL

- Put the unit in the condition specified in Tables 1 & 2.
- When each tone control knob is turned from maximum to minimum, the output variation should stay within the range specified in Table 7.
- This applies both to the A-ch. and B-ch.

Table 7

Control	INPUT		Variation
	Freq.	Signal	
TREBLE	7 KHz	-70dB	16±3dB
MIDDLE	400Hz	-70dB	6±3dB
BASS	70Hz	-70dB	11±3dB

5. FAT VARIATION CHARACTERISTICS

- Put the unit in the condition specified in Tables 1 & 2.
- When the Fat switch is turned ON and OFF, the output variation should stay within the range specified in Table 8.
- The same applies to the B-ch. as well.

Table 8

INPUT	Variation
-70dB / 400Hz	9±3dB

6. BRIGHT VARIATION CHARACTERISTICS

- Put the unit in the condition specified in Tables 1 & 2.
- Set the VOLUME and GAIN controls to gradation "5" (center).
- When the BRIGHT switch is turned ON and OFF, the output variations should stay within the range specified in Table 9.
- The same applies to the B-ch. as well.

Table 9

INPUT	Variation
-70dB / 7KHz	11±3dB

7. VARIATION CHARACTERISTICS OF PARAMETRIC EQ

- With the unit first put in the condition specified in Tables 1 & 2, position the VOLUME control to gradation "5" (Center).
- Set the Q. Frequency control as shown in Table 10.
- For each setting, turn the LEVEL control from maximum to minimum. The output variation should stay within the range specified in Table 10.

Table 10

Condition	INPUT	Variation
Q MIN., F MIN.	-70dB / 650Hz	$\pm 7 \pm 2$ dB
Q MIN., F MAX.	-do---do--	$\pm 7 \pm 2$ dB
Q MAX., F MIN.	-do---do--	No more than ± 1 dB
Q MAX., F MAX.	-do---do--	No more than ± 1 dB
Q MAX., F MIN.	-do--*90Hz	$\pm 15 \pm 2$ dB
Q MAX., F MAX.	-do--5KHz	$\pm 15 \pm 2$ dB

- However, it shall be considered okay if there is a point within the range from 85 to 100Hz (and not necessarily at 90Hz), where the variation can be established.

8. A/B FOOT SWITCH

- ON-OFF operations of the A/B Foot Switch should cause changeover between the A-ch. and B-ch.

9. REVERB FOOT SWITCH

- Put the unit in the condition specified in Tables 1 & 2.
- Turn the REVERB control to maximum.
- Apply a -70dB/1kHz signal to INPUT. When the Foot Switch is turned ON and OFF, it should cause the reverberation-applied sounds to turn ON and OFF.
- It should be noted here that sounds without reverberation are also mixed in.

10. NOISE LEVEL

- Put the unit in the condition specified in Tables 1 & 2.
- No plug should be inserted into INPUT.
- When the unit is set as shown in Table 11, the output level should stay within the range specified in Table 11.
- Change the polarities of the POWER switch, measurement should be taken at the one whose noise level has been found to be lower.

Table 11

Channel	Condition	Variation
A ch	Set the Tables 1 & 2	No more than -32dB
A ch	VOLUME MIN.	No more than -45dB
B ch	Set the Tables 1 & 2	No more than -20dB
B ch	GAIN MIN.	No more than -42dB
B ch	MASTER VOL. MIN.	No more than -45dB

11. DIRECT OUT TERMINAL

- Put the unit in the condition specified in Tables 1 & 2.
- Feed in a 1kHz input signal and adjust it so that the output will be 0dB.
- At the DIRECT OUT terminal, an output of -38 ± 2 dB (or -35 ± 2 dB for Model G50-112II) should be obtained.

NOTE: When dB represents a specific voltage, 0dB is referenced to 0.775V.

DISMANTLING PROCEDURE

- Remove the screws shown in Figs. a and b. Remove the back panel and the chassis body.

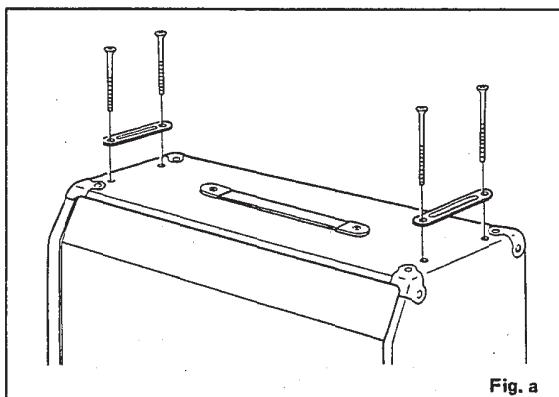


Fig. a

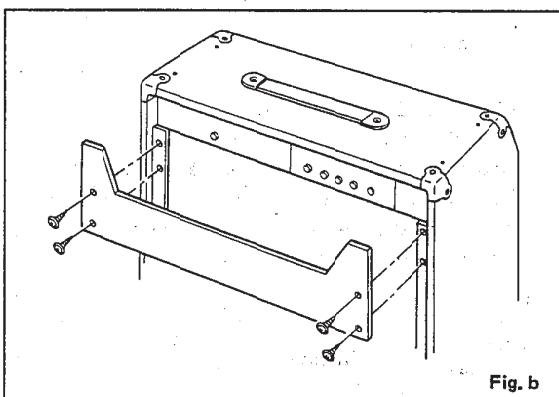


Fig. b

FREQUENCY RESPONSE DIAGRAM G50-112II G100-112

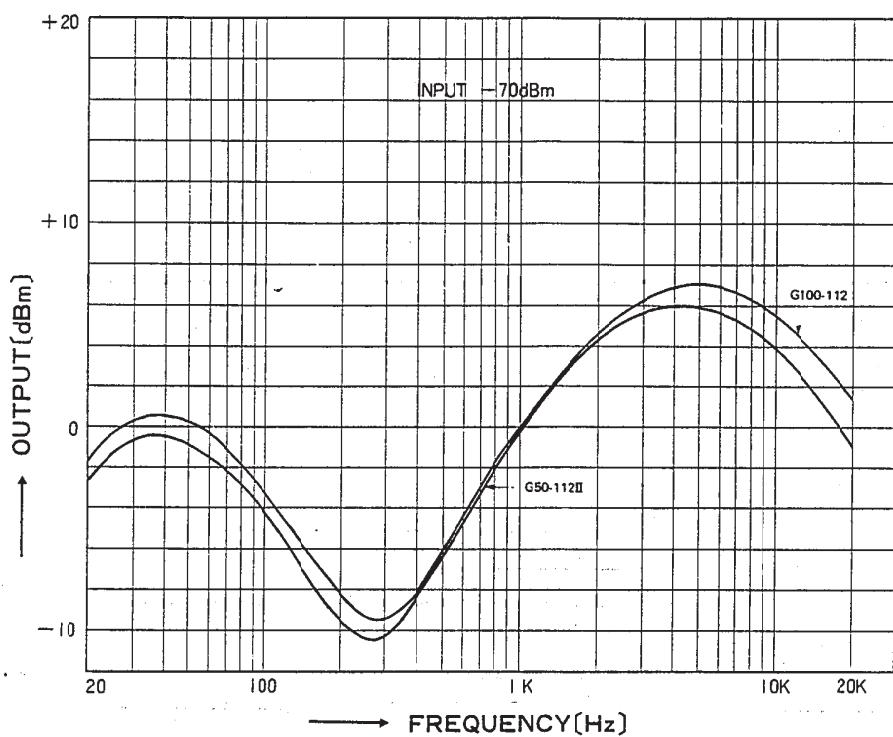


Fig. 1-1

G100-115II G100-210 G100-212II

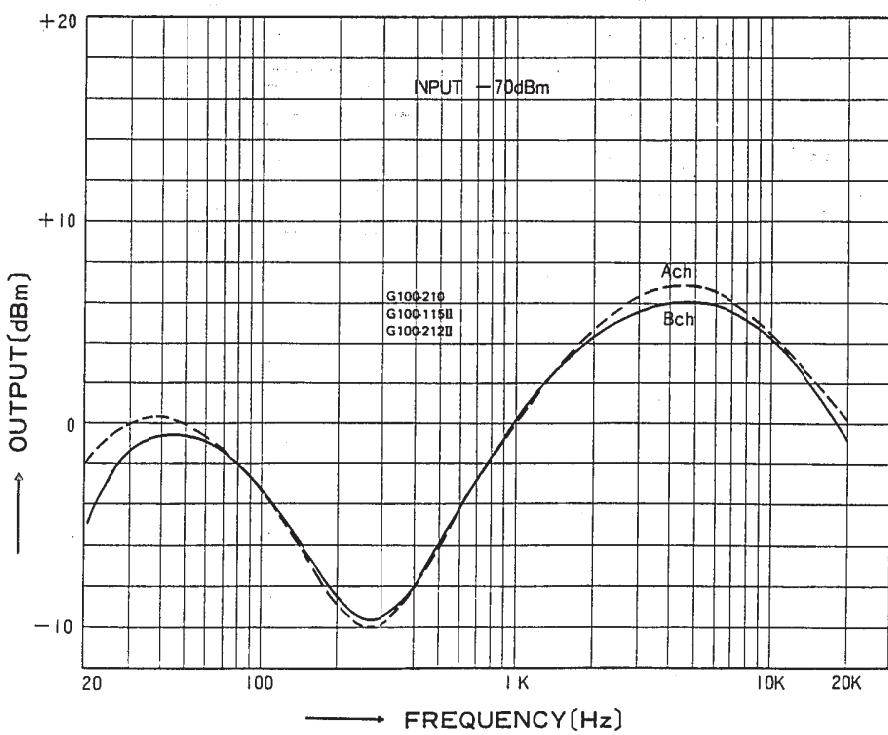
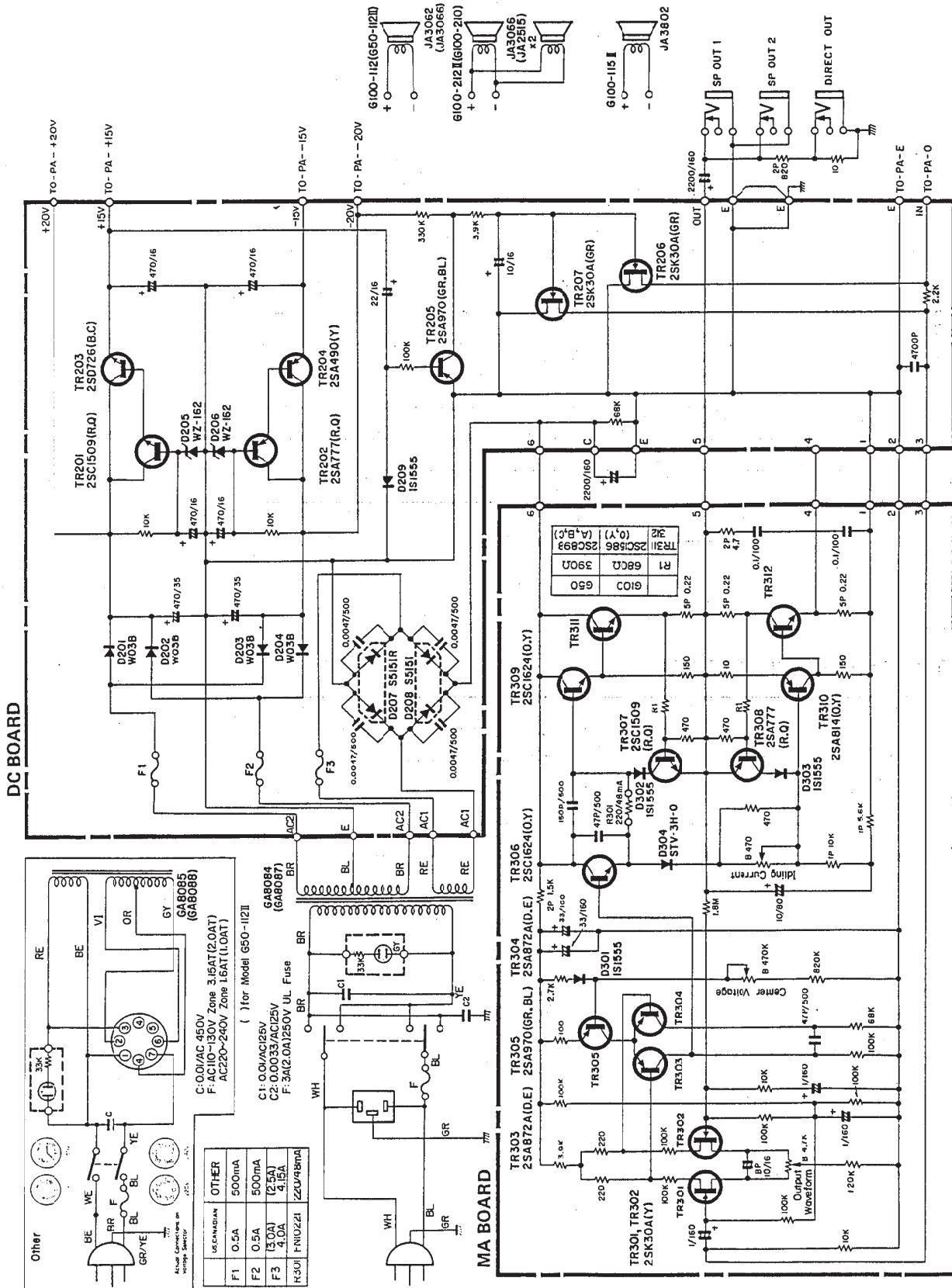


Fig. 1-2

SCHEMATIC DIAGRAM

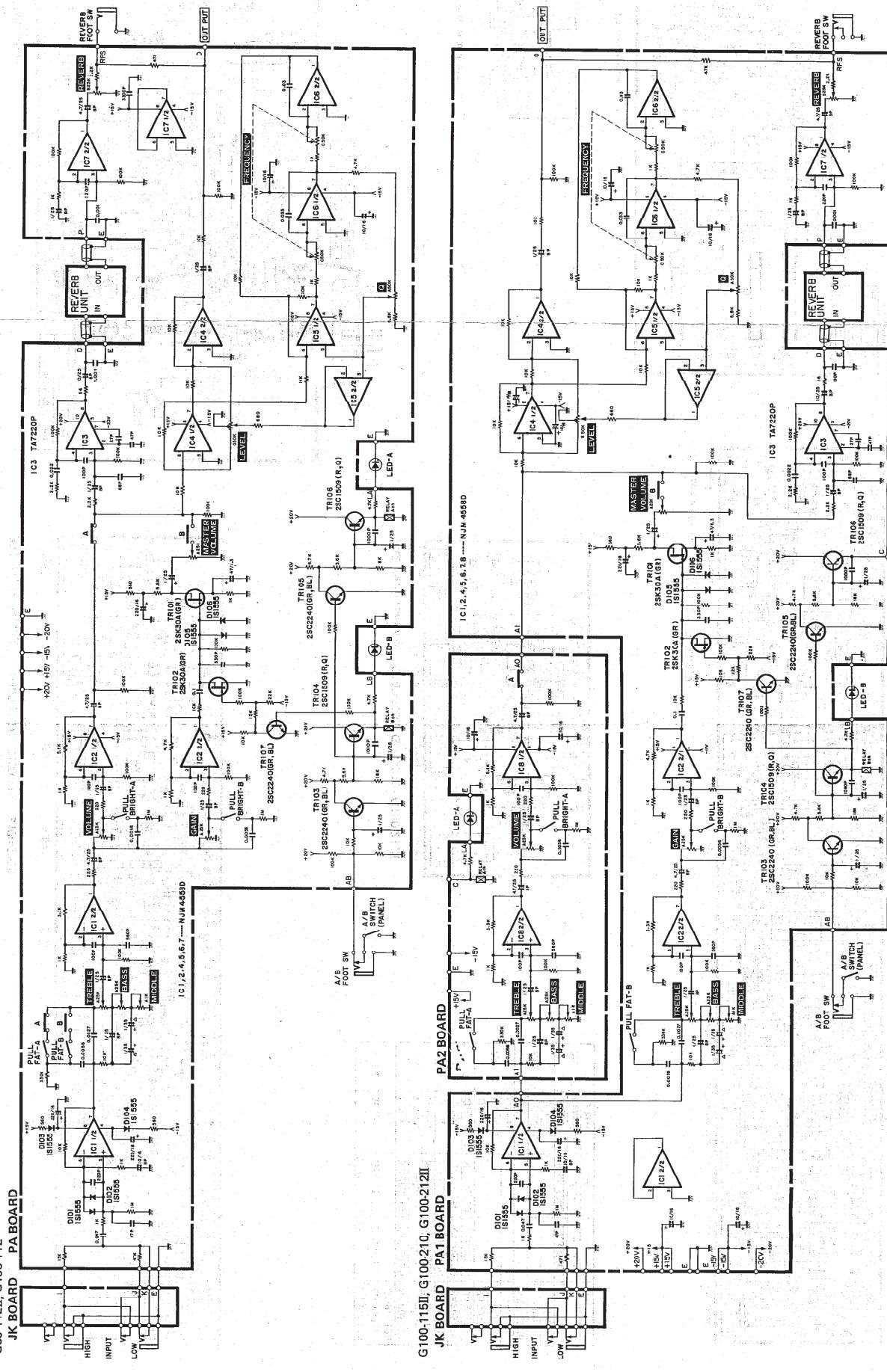
Power Supply and Main Amplifier Sections

G50-112II, G100-112, G100-115II, G100-210, G100-212II



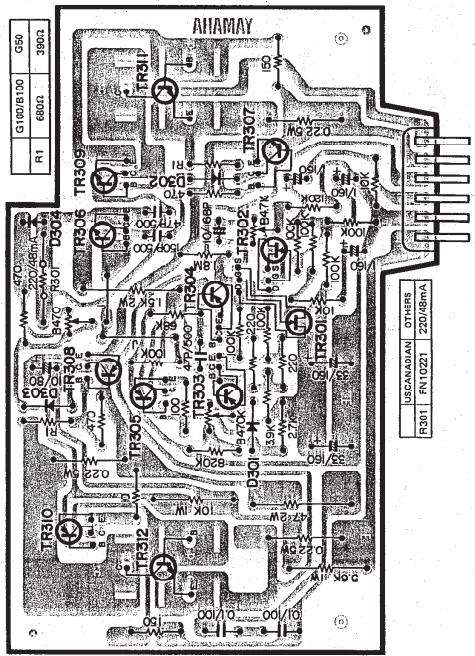
SCHEMATIC DIAGRAM Preamplifier Section

Amplifier Section

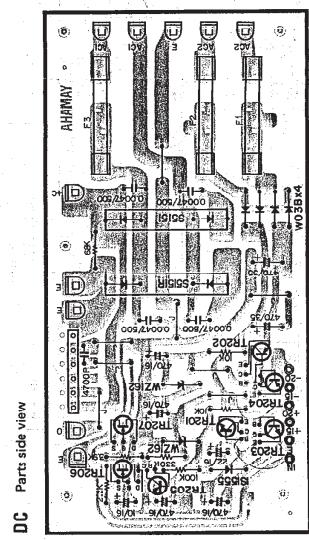
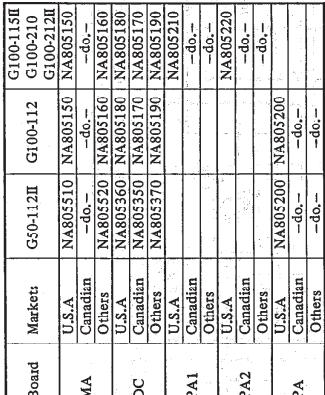
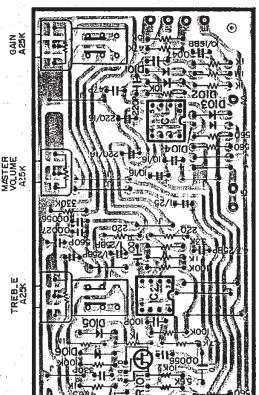
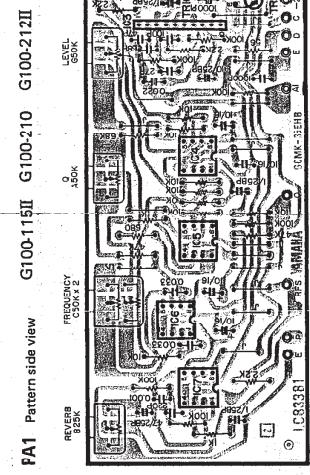


PRINTED CIRCUIT BOARDS G50-112II, G100-112, G100-115II, G100-210, G100-212II

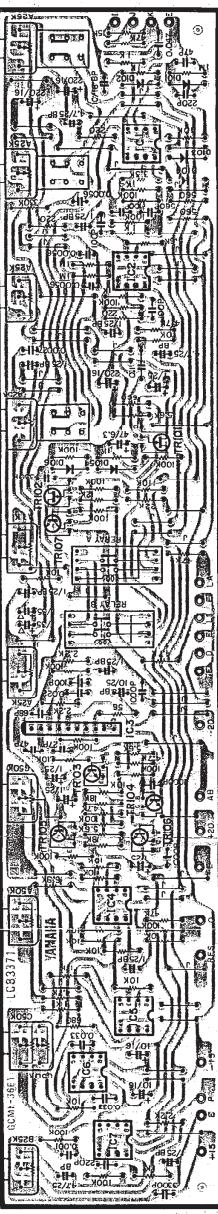
MA Parts side view



PA1 Pattern side view



PA Pattern side view G50-112II G100-112



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PARTS LIST MA Unit, MA Board

Ref. No.	Part No.		Description	(部品名)	Remarks	Common model	Markets
30:54:00	NB	81:26:20	MA UNIT	MAユニット	G100		U,C
30:54:00	NB	81:26:30	"	"			O
30:54:00	NB	81:38:90	"	"	G50		U,C
30:54:00	NB	81:39:00	"	"			O
30:54:00	NA	80:51:50	MA Board	#83333	MAシート	G100	U,C
30:54:00	NA	80:51:60	"	#83343	"		O
30:54:00	NA	80:55:10	"	#84970	"	G50	U,C
30:54:00	NA	80:55:20	"	#84980	"		O
30:54:00	BA	80:38:60	Heat Sink	放熱板	G100		
30:54:00	B A	80:38:90	"	"	G50		
30:54:00	AA	81:17:20	Holder	シートホルダー			
40:10:00	EA	04:01:00	Pan Head Screw	4×10 ZMC2-Y	ナベ小ネジ		
40:10:00	ED	03:00:60	Bind Head Screw	3×6 ZMC2-Y	バインド小ネジ		
40:10:00	E I	03:01:00	Bind Head Tapping Screw	3×10 ZMC2-Y	バインドタッピングネジ		
40:10:00	EV	20:00:30	Flat Washer	A3S	平座金		
40:10:00	i C	15:86:00	Transistor		トランジスター	G100	
40:10:00	i C	08:98:00	"	"		G50	
40:10:00	i L	00:04:40	Mica Base		マイカベース		
40:10:00	EA	03:01:60	Pan Head Screw	3×16 ZMC2-Y	ナベ小ネジ		
30:54:00	AA	81:05:00	Transister Cover		トランジスタカバー		
40:10:00	E I	03:00:60	Bind Head Tapping Screw	3×6 ZMC2-Y	バインドタッピングネジ		
30:54:00	AA	81:04:90	MA Board Cover		保護カバー		
30:54:00	CB	81:44:20	Spacer		スペーサー		
40:10:00	LB	60:26:70	Socket		トランジスタソケット		
			MA BOARD	MAシート			
40:10:00	HL	32:34:70	Metal Oxide Film Resistor	4.7Ω, 2P	サンキン抵抗		
40:10:00	HL	32:61:50	"	1.5KΩ, 2P	"		
40:10:00	HL	31:65:60	"	5.6KΩ, 1P	"		
40:10:00	HL	31:71:00	"	10KΩ, 1P	"		
40:10:00	HM	85:22:20	"	0.22Ω, 5P	セメント抵抗		
40:10:00	HW	80:52:20	Fuse Resistor	220Ω, 48mA	ヒューズ抵抗		O
40:10:00	HW	90:52:20	"	220Ω	"		U,C
40:10:00	HT	41:00:40	Variable Resistor	B4.7KΩ	半固定ボリューム		
40:10:00	HT	41:01:10	"	B470KΩ	"		
40:10:00	HT	41:01:20	"	B470Ω	"		
40:10:00	i E	00:00:10	FET	2SK30A(Y)	FET		
40:10:00	i A	08:72:10	Transistor	2SA872A(D,E)	トランジスタ		
40:10:00	i A	09:70:00	"	2SA970(GR,BL)	"		
40:10:00	i C	16:24:00	"	2SC1624(O,Y)	"		
40:10:00	i C	15:09:30	"	2SC1509(R,Q)	"		
40:10:00	i A	07:77:30	"	2SA777(R,Q)	"		
40:10:00	i A	08:14:00	"	2SA814(Y)	"		
40:10:00	i F	00:04:50	Varistor	STV-3H-O	バリスタ		
40:10:00	i F	00:00:40	Diode	1S1555	ダイオード		
40:10:00	LB	60:07:90	Connector Plug		ライトアンダーブルウエーハーピン		

* : New Part (新部品) DESTINATION ABBREVIATIONS U : US, C : Canada, O : Other (except for US, Canada models)

DC Board PA1 Board/PA2 Board

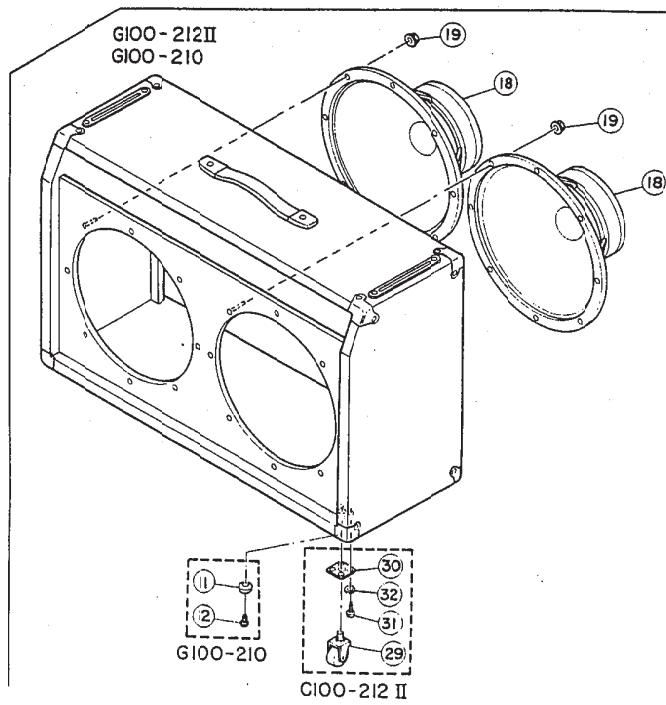
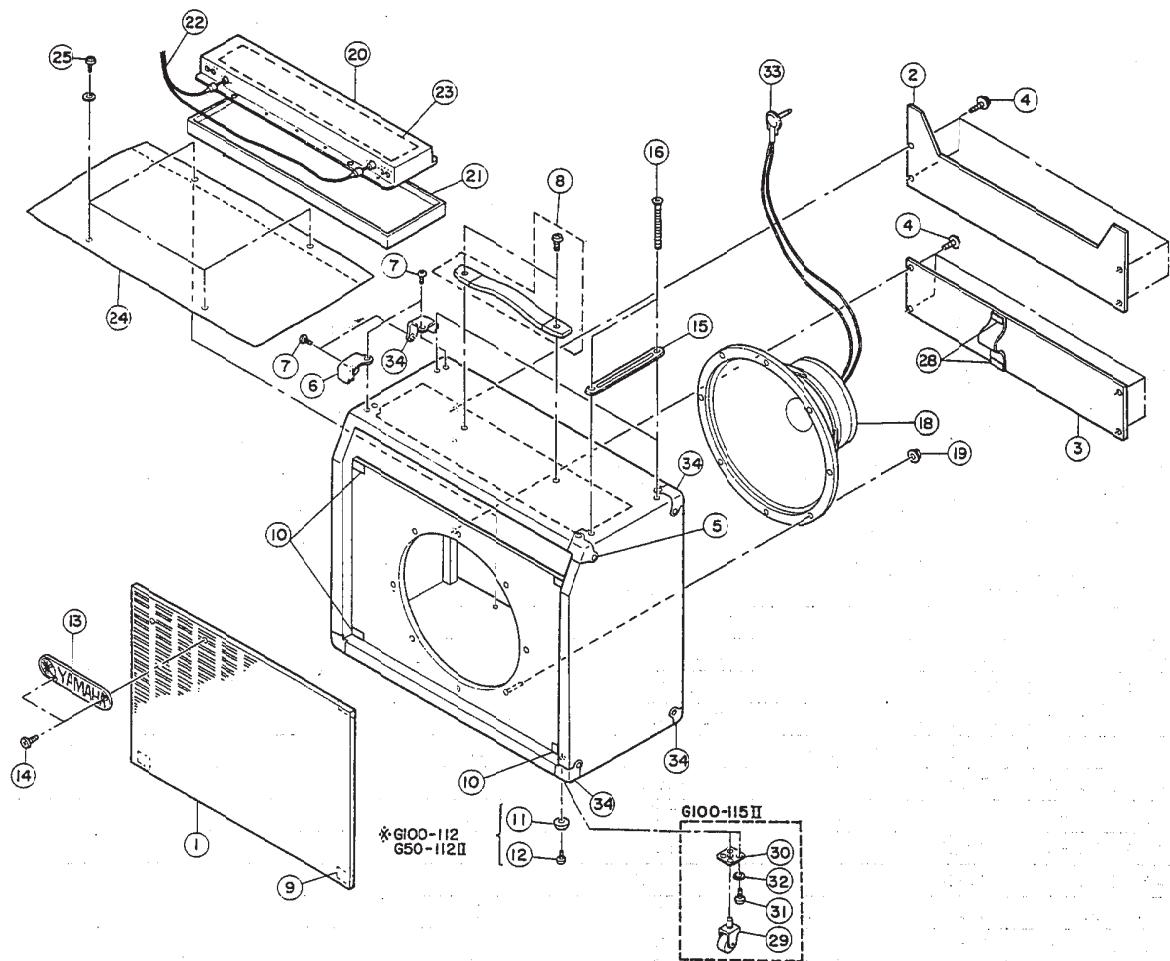
Ref. No.	Part No.	Description	(部品名)	Remarks	Common model	Markets
*	30:54:00 NA:80:51:70	DC BOARD	#83362	DCシート	G100	C
*	30:54:00 NA:80:51:80	"	#84821	"	"	U
*	30:54:00 NA:80:51:90	"	#83352	"	"	O
*	30:54:00 NA:80:53:50	DC BOARD	#85002	DCシート	G50	C
*	30:54:00 NA:80:53:60	"	#85012	"	"	U
*	30:54:00 NA:80:53:70	"	#84992	"	"	O
40:10:00 i H:00:02:10	Diode	S5151	ダイオード			
40:10:00 i H:00:02:20	"	S5151R	"			
40:10:00 i F:00:00:40	"	1S1555	"			
40:10:00 i H:00:07:20	"	W03B	"			
40:10:00 i F:00:06:50	Zener Diode	WZ-162	ツエナーダイオード			
40:10:00 i C:15:09:30	Transistor	2SC1509(R,Q)	トランジスター			
40:10:00 i A:09:70:00	"	2SA970(GR,BL)	"			
40:10:00 i D:07:26:00	"	2SD726(B,C)	"			
40:10:00 i A:04:90:10	"	2SA490(Y)	"			
40:10:00 i A:07:77:30	"	2SA777(R,Q)	"			
40:10:00 i E:00:00:20	FET	2SK30A(G,R)	FET			
40:10:00 LB:20:15:70	Fuse Holder Pin		ヒューズホルダーピン	G100		
40:10:00 KB:00:03:10	Fuse	0.5A,250V	ヒューズ	"	C	
40:10:00 KB:00:03:80	"	4.0A,250V	"	"	C	
40:10:00 KB:00:10:10	" UL	0.5A,250V	ULヒューズ	"	U	
40:10:00 KB:00:10:50	" "	4.0A,250V	"	"	U	
40:10:00 KB:00:07:10	" Mini	500mAT,250V	ミニヒューズ	"	O	
40:10:00 KB:00:07:60	" "	3.15AT,250V	"	"	O	
40:10:00 LB:20:15:30	Fuse Holder Pin		ヒューズホルダーピン	G50		
40:10:00 KB:00:03:10	Fuse	0.5A 250V	ヒューズ	"		
40:10:00 KB:00:10:10	" UL	0.5A 250V	"	"		
40:10:00 KB:00:07:10	" mini	500mAT 250V	ミニヒューズ	"		
40:10:00 KB:00:03:60	"	3A 250V	ヒューズ	"		
40:10:00 KB:00:10:40	" UL	3A 250V	"	"		
40:10:00 KB:00:06:90	" mini	2.5AT 250V	"	"		
40:10:00 LB:60:05:20	Connector Housing	2415-6B	コネクトハウジング			
30:54:00 NA:80:52:10	PA1 BOARD	#83382	PA1シート	115II,212II 210		
40:10:00 FM:22:61:00	BP Capacitor	1/25	バイポーラケミコン			
40:10:00 FM:22:64:70	"	4.7/25	"			
40:10:00 FM:09:71:00	"	10/16	"			
40:10:00 FM:22:71:00	"	10/25	"			
40:10:00 FP:35:61:00	Tantalum Capacitor	1/35	タンタルコン			
40:10:00 i F:00:00:40	Diode	1S1555	ダイオード			
40:10:00 i C:22:40:00	Transistor	2SC2240(GR,BL)	トランジスタ			
40:10:00 i C:15:09:30	"	2SC1509(R,Q)	"			
40:10:00 i E:00:00:20	FET	2SK30A(GR)	FET			
40:10:00 i G:00:13:90	i C	NJM4558D	i C			
40:10:00 i G:02:74:00	"	TA7220P	"			
40:10:00 KC:00:06:20	Relay	FRL644D12/2AS	リレー			
40:10:00 HS:31:07:50	Variable Resistor	A1KΩ	ポリユーム			
40:10:00 HS:31:07:60	"	A25KΩ	"			
40:10:00 HS:31:07:70	" With Switch	A25KΩ	" (SW付)			
40:10:00 HS:31:07:80	"	C50KΩ×2	(2連)			
40:10:00 HS:31:07:90	"	A50KΩ	"			
40:10:00 HS:31:08:00	" Center Click	G50KΩ	"			
40:10:00 HS:31:08:60	"	B25KΩ	"			

* : New Part (新部品)

PA Board/JK Writing Board

* : New Part (新部品)

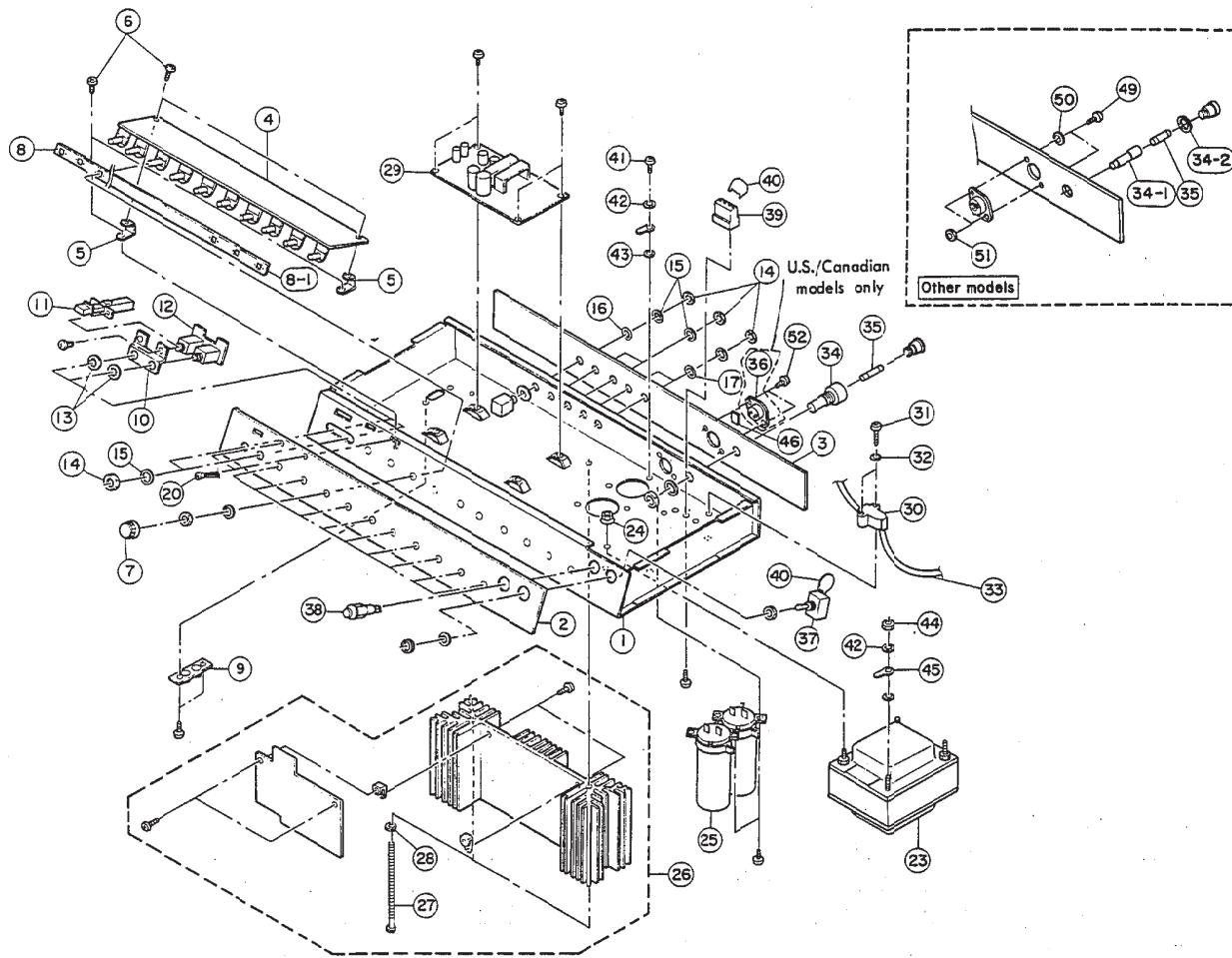
■ EXPLODED VIEW



Ref. No.	Part No.	Description	(部品名)	Remarks	Common model	Markets
*	30:54:40 00:00:00:10	Cabinet	外装組上り	G100-212II		
*	30:54:39 00:00:00:10	"	"	G100-112		
*	30:54:41 00:00:00:10	"	"	G100-115II		
	30:54:42 00:00:00:10	"	"	G100-210		
	30:54:01 00:00:00:10	"	"	G50-112II		
*	1 30:54:40 DA:80:38:80	Front Grille	前板集成	G100-212II		
*	" 30:54:39 DA:80:39:20	"	"	G100-112 G50-112II		
*	" 30:54:41 DA:80:40:90	"	"	G100-115II		
"	30:54:42 DA:80:42:50	"	"	G100-210		
*	2 30:54:40 DB:81:15:50	Back Board (Upper)	裏板 (上)	G100-212II		
"	30:54:39 DB:81:16:50	"	"	G100-112 G50-112II		
"	30:54:41 DB:81:20:50	"	"	G100-115II		
"	30:54:42 DB:81:24:40	"	"	G100-210		
*	3 30:54:40 DB:81:15:60	Back Board (Lower)	裏板 (下)	G100-212II		
"	30:54:39 DB:81:16:60	"	"	G100-112 G50-112II		
"	30:54:41 DB:81:20:60	"	"	G100-115II		
"	30:54:42 DB:81:24:50	"	"	G100-210		
4	40:10:00 E K:80:08:00	Screw 4×25 FNM3-3g	山型ワッシャ付丸皿タッピングネジ			
*	5 30:54:00 AA:80:76:40	Metal Corner (Right)	コーナー金具 (右)			
*	6 30:54:00 AA:80:76:50	" (Left)	" (左)			
7	40:10:00 E R:23:51:30	Oval Head Wood Screw 3.5×13 FNM3-3g	丸皿木ネジ			
8	30:54:00 NB:81:26:40	Handle Assembly	取手Ass'y			
9	40:10:00 CA:80:15:20	Velcro Tape	マジックテープ (オス)			
10	40:10:00 CA:80:15:30	"	" (メス)			
11	30:10:00 CB:02:32:00	Slip Fitting	滑り座 (黒)			
12	40:10:00 EB:34:02:50	Flat Head Screw 4×25 ZMC2-Bt	皿小ネジ			
*	13 30:54:00 CB:81:37:90	Name Plate	ネームプレート			
14	40:10:00 ER:33:11:30	Oval Head Wood Screw 3.1×13 FUM3-Bt	丸皿木ネジ			
*	15 30:54:00 AA:80:76:70	Fixing Plate	ユニット吊り金具			
*	16 40:10:00 E K:80:08:70	Sharp Tip Oval Head Screw 5×90 FNM3-3g	尖先丸皿小ネジ			
*	18 30:54:00 JA:30:66:00	Speaker 8Ω 30cm(12")	スピーカー	G100-212II G50-112II		
"	30:54:00 JA:30:62:00	" "	"	G100-112		
"	30:10:00 JA:38:02:00	" 38cm(15")	"	G100-115II		
"	30:54:00 JA:25:15:00	" 8Ω 25cm(10")	"	G100-210		
19	40:10:00 E K:80:06:40	Flange Nut 5S	フランジナット			
20	40:10:00 J H:00:01:40	Reverb Unit	リバーブユニット			
21	30:54:00 CB:81:37:10	Reverb Unit Base	RV台			
22	40:10:00 MI:80:10:80	Reverb Unit Cord	線材キット (RV用)			
23	30:54:00 CB:81:44:20	Spacer	スペーサー			
24	30:54:00 CB:81:37:00	Reverb Unit Cover	RV収納袋			
25	40:10:00 EO:03:51:60	Round Head Wood Screw 3.5×16 ZMC2-Y	丸木ネジ			
26	40:10:00 EV:20:00:40	Flat Washer 4S	平座金			
27	30:54:00 CB:80:08:30	Cord Holder	コード止め			
28	40:10:00 CA:80:01:30	Washer	コード止めワッシャ			
29	30:54:00 AA:80:16:80	Caster	キャスター			
30	30:54:00 AA:80:16:90	Caster Socket	キャスターソケット			
31	40:10:00 ED:35:02:00	Bind Head Screw 5×20 ZMC2-Bt	バインド小ネジ			
32	40:10:00 EV:30:35:00	Spring Lock Washer 5S	バネ座金			
*	33 40:10:00 MI:80:10:70	Speaker Cord W/Jack	L型プラグ付コード			
*	34 30:54:00 AA:80:76:60	Metal Corner	コーナー金具			

* : New Part (新部品)

■ EXPLODED VIEW



■ PARTS LIST

Ref. No.	Part No.	Description	(部品名)	Remarks	Common model	Markets
*	1 30 54 00 AA 80 98 50	Chassis	シャーシ	G100-212 II		
*	30 54 00 AA 80 98 70	"	"	G100-112 G50-112 II		
*	30 54 00 AA 80 98 60	"	"	G100-210 G100-115 II		
2	Refer to page 18 Note 1	Panel	パネル			
*						
*						
*	3 Refer to page 18 Note 2	Back Panel	バックパネル			
*						
*						
*	4 30 54 00 NA 80 52 10	PA1 Board	PA1 シート	G100-212 II G100-115 II		
*	" 30 54 00 NA 80 52 20	PA2 Board	PA2 シート	G100-210		
*	" 30 54 00 NA 80 52 00	PA Board	PA シート	G100-112 G50-112 II		
5	30 54 00 AA 81 04 50	Fixing Metal For C.B	シート固定金具			
*	6 40 10 00 E 1 03 00 60	Bind Head Tapping Screw : 3×6 ZMC2-Y	バインドタッピングネジ			
*	7 30 54 00 CB 81 17 80	Knob	ツマミ			
8	30 54 00 AA 81 04 20	Spacer	スペーサー	G100-212 II 115 II, 210		
8-1	30 54 00 AA 81 04 30	"	"	"		
"	30 54 00 AA 81 04 40	"	"	G100-112 G50-112 II		

* : New Part (新部品)

Ref. No.	Part No.		Description	(部品名)	Remarks	Common model	Markets
9	40:10:00 LB:20:07:90		2P Pin Jack	ピンジャック			
10	30:54:00 AA:81:04:60		Push Switch Holder	プッシュSW取付金具			
11	40:10:00 KA:80:12:60		Push Switch	プッシュスイッチ			
12	40:10:00 LC:84:29:10		JK Board	JK基板			
13	40:10:00 EV:41:00:90		Toothed Lock Washer A9S	歯付座金			
14	40:10:00 LX:20:00:60		Hexagonal Nut A9S	特殊六角ナット			
15	40:10:00 LX:20:00:10		Plain Washer 9S	特殊平座金			
16	30:56:00 CB:81:00:90		Insulation Nut	絶縁ナット			
17	30:54:00 CB:81:40:00		"	"			
18	40:10:00 CB:81:37:50		Damper	緩衝材			
19	40:10:00 CB:81:37:60		"	"			
20	40:10:00 iF:00:13:10		LED	LED			
21	40:10:00 HL:32:58:20		Metal Oxide Film Resistor 820Ω 2P	サンキン抵抗			
22	30:54:00 AA:81:07:40		Fixing Metal For C,B	シート固定金具	G100-212II		
23	Refer to page 18 Note3		Power Transformer	電源トランス			
24	40:10:00 EK:80:06:20		Flange Nut M4	フランジナット			
25	40:10:00 FL:10:92:20		Electrolytic Capacitor 2200/160	コンデンサ			
26	Refer to page 18 Note4		MA Unit	MAユニット			
27	40:10:00 EK:00:09:80		Sharp Tip Pan Head Screw 5×10 7S	尖先ナベ小ネジ			
28	40:10:00 EV:43:00:50		Toothed Lock Washer AB5S ZMC2-Y	歯付座金			
29	Refer to page 18 Note5		DC Board	DCシート			
30	30:54:00 CB:81:37:70		Cord Stopper	コード押え			
31	40:10:00 EA:03:01:60		Pan Head Screw 3×16 ZMC2-Y	ナベ小ネジ			
32	40:10:00 EV:20:00:30		Flat Washer 3S	平座金			
33	Refer to page 18 Note6		AC Cord	電源コード			
34	Refer to page 18 Note7		Fuse Holder	ヒューズホルダー			
35	"		Fuse	ヒューズ(タイラッシュ)			
36	40:10:00 LB:30:02:50		3P AC Outlet	AC OUTLET(3P)		U,C	
37	Refer to page 18 or Note8		Power Switch	パワースイッチ			
38	40:10:00 JB:00:07:20		Lamp Holder	ランプホルダー			
39	40:10:00 LA:00:07:60		Lug	カラー端子板			
40	40:10:00 FZ:00:20:30		Spark Killer	スパークキラーコンデンサ			
41	40:10:00 ED:04:00:80		Bind Head Screw 4×8 ZMC2-Y	バインド小ネジ			
42	40:10:00 EV:46:00:40		Toothed Lock Washer B4S "	歯付座金			
43	40:10:00 EV:30:00:40		Spring Lock Washer 4S ZMC2-Y	バネ座金			
44	40:10:00 EV:10:00:40		Hexagonal Nut 4S "	六角ナット			
45	40:10:00 LA:00:02:90		Ground Lug 4S	アースラグ			
46	40:10:00 CA:80:19:90		Isolation Cover	絶縁カバー			U,C
47	40:10:00 Fi:18:33:30		Ceramic Capacitor 0.0033/125	セラミックコンデンサー			U,C
48	40:10:00 LB:20:02:50		Voltage Selector	電圧切替器		O	
49	40:10:00 EA:30:08:20		Pan Head Screw 3×BS ZMC2-B*	ナベ小ネジ		O	
50	40:10:00 EW:31:03:20		Toothed Lock Washer A3S	歯付座金		O	
51	40:10:00 EY:11:03:20		Hexagonal Nut 3S	六角ナット		O	
52	40:10:00 EA:30:10:30		Pan Head Screw 3×10S FCM3-B*	ナベ小ネジ			U,C

※ : New Part (新部品)

Ref. No.	Part No.		Description	(部品名)	Remarks	Common model	Markets
* Note 1							
2	30:54:00	AA:81:00:70	Panel	パネル	G100-212II		U,C
"	30:54:00	AA:81:00:80	"	"		O	
"	30:54:00	AA:81:01:00	Panel	パネル	G100-112		U,C
"	30:54:00	AA:81:01:10	"	"		O	
"	30:54:00	AA:81:07:70	Panel	パネル	G50-112II		U,C
"	30:54:00	AA:81:07:80	"	"		O	
"	30:54:00	AA:81:C1:30	Panel	パネル	G100-115II		U,C
"	30:54:00	AA:81:C1:40	"	"		O	
"	30:54:00	AA:81:C1:60	Panel	パネル	G100-210		U,C
"	30:54:00	AA:81:C1:70	"	"		O	
* Note 2							
3	30:54:00	AA:81:02:00	Back Panel	バックパネル	G100-212II		U
"	30:54:00	AA:81:02:10	"	"		C	
"	30:54:00	AA:81:02:30	"	"		O	
3	30:54:00	AA:81:02:60	Back Panel	バックパネル	G100-112		U
"	30:54:00	AA:81:02:70	"	"		C	
"	30:54:00	AA:81:02:90	"	"		O	
3	30:54:00	AA:81:09:00	Back Panel	バックパネル	G50-112II		U
"	30:54:00	AA:81:09:10	"	"		C	
"	30:54:00	AA:81:09:30	"	"		O	
"	30:54:00	AA:81:C3:20	Back Panel	バックパネル	G100-115II		U
"	30:54:00	AA:81:C3:30	"	"		C	
"	30:54:00	AA:81:03:50	"	"		O	
"	30:54:00	AA:81:03:80	Back Panel	"	G100-210		U
"	30:54:00	AA:81:03:90	"	"		C	
"	30:54:00	AA:81:04:10	"	"		O	
* Note 3							
23	40:10:00	GA:80:84:00	Power Transformer	電源トランス	G100		U,C
"	40:10:00	GA:80:85:00	"	"		O	
"	40:10:00	GA:80:87:00	"	"	G50		U,C
"	40:10:00	GA:80:88:00	"	"		O	
* Note 4							
26	30:54:00	NB:81:26:20	MA-Unit	MAユニット	G100		U,C
"	30:54:00	NB:81:26:30	"	"		O	
"	30:54:00	NB:81:38:90	"	"	G50		U,C
"	30:54:00	NB:81:39:00	"	"		O	
* Note 5							
29	30:54:00	NA:80:51:70	DC Board	DCシート	G100		C
"	30:54:00	NA:80:51:80	"	"		U	
"	30:54:00	NA:80:51:90	"	"		O	
"	30:54:00	NA:80:53:50	"	"	G50		C
"	30:54:00	NA:80:53:60	"	"		U	
"	30:54:00	NA:80:53:70	"	"		O	
* Note 6							
33	40:10:00	MG:00:04:50	AC Cord	電源コード			O
"	40:10:00	MG:00:02:70	"	"		U,C	

* : New Part (新部品)

※ New Part (新部品)